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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,649	06/13/2006	Vladimir Pekarek	J187-032 US	5024
21706 7590 01/30/2008 NOTARO AND MICHALOS 100 DUTCH HILL ROAD			EXAMINER	
			FIORITO, JAMES	
SUITE 110 ORANGEBURG, NY 10962-2100			ART UNIT	PAPER NUMBER
014 H (022 01)			1793	
·	·			
			MAIL DATE	DELIVERY MODE
			. 01/30/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

- j-	Application No.	Applicant(s)			
	10/582,649	PEKAREK ET AL.			
Office Action Summary	Examiner	Art Unit			
	James A. Fiorito	1793			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 					
Disposition of Claims					
4) ☐ Claim(s) 1-3 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ accertain and not request that any objection to the second	r election requirement. r. epted or b) objected to by the Edrawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

10/582,649 Art Unit: 1793

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 Line 4 recites "and/or", it is indefinite as whether the "or" applies to copper compounds or the group of copper compounds, a hydrogen donor, carbon and at least one reducing substance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

10/582,649 Art Unit: 1793

Claims 1-3 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Hagenmaier US 5276250.

Hagenmaier (see claims, example 17) discloses the dehalogenation of halogenated aromatic compounds at 350 - 500 °C in the presence of a mixed CuO/Cr203 catalyst on a silica support. The material to be detoxified may be fly ash. The Cr203 has the character of a reducing substance. Metallic copper may be used as well.

Claims 1-3 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Fifolt US 6303812.

Fifolt (see column 2, lines 5 - 18) discloses the dehalogenation of haloaromatic compounds in the presence of copper and propionic acid as a reducing agent.

Claims 1-3 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Hyatt US 3989806.

Hyatt discloses the dehalogenation of hexachlorobenzene with copper on zeolite (reducible copper halides may be used) at temperatures between 300 and 500 °C (Abstract).

10/582,649 Art Unit: 1793

Claims 1-3 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Saito EP 1048327.

Saito discloses copper (see paragraph [0024]) in admixture with a hydrogencontaining organosilicon compound, used for dehalogenation of chlorinated organic compounds (see claims 1-4).

Claims 1-3 rejected under 35 U.S.C. 103(a) as being unpatentable over Jensen US 2002/0156337.

Jensen teaches the degradation of PCB (Paragraph 32) using a mixture of degradation agents such as ferrous iron, copper, sulfides and carbon (Paragraph 34) in the absence of atmospheric oxygen (Figure 2 and Paragraph 5).

Jensen does not expressly state that the degradation is performed at a temperature between 200 and 500 degrees C. Jensen teaches the method may be performed at a temperature between 0 and 100 degrees C.

At the time of invention it would have been obvious to perform the process of Jensen at a temperature between 200 and 500 degrees C. The suggestion or motivation for doing so would have been to speed up the reaction rate of the degradation process. Where the general conditions of a claim are disclosed in the prior art, it is not inventive to discover the optimum or workable ranges by routine experimentation. In re Aller, 220F.2d 454, 456, 105 USPQ 233, 235 (CCPA 1955).

Conclusion

Application/Control Number:

10/582,649 Art Unit: 1793

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Fiorito whose telephone number is (571)272-7426. The examiner can normally be reached on 9am - 6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on (571) 272-1358. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

James Fiorito – X AU 1793

Wayne Langel

Primary Patent Examiner

AU 1793